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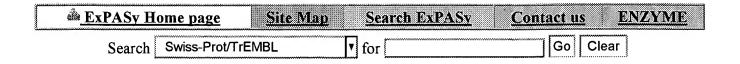
NiceZyme View of ENZYME: EC <u>5.4.99.16</u>

Official Name		
Maltose alpha-D-glucosyltransferase		
Alternative Name(s)		
Trehalose synthase. Maltose glucosylmutase.		
Reaction catalysed		
Maltose <=>		
alpha,alpha-trehalose		
Cross-references		
BRENDA	<u>5.4.99.16</u>	
EMP/PUMA	<u>5.4.99.16</u>	
WIT	<u>5.4.99.16</u>	
KYOTO UNIVERSITY LIGAND CHEMICAL DATABASE	<u>5.4.99.16</u>	
IUBMB Enzyme Nomenclature	<u>5.4.99.16</u>	
MEDLINE	Find literature relating to 5.4.99.16	
Swiss-Prot P72235, TRES_PIMSR; 006458, TRI		

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Release 30, March 2003, and updates up to 06-Mar-2003

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2.4.1.15	Alpha,alpha-trehalose-phosphate synthase (UDP-forming). (AN: UDP-glucose-glucosephosphate glucosyltransferase. Trehalosephosphate-UDP glucosyltransferase. Trehalose-6-phosphate synthase. Trehalose-6-phosphate synthetase. Trehalose-phosphate synthase. Trehalose-phosphate synthetase. Transglucosylase. Trehalosephosphate-UDP glucosyl transferase.)
2.4.1.36	Alpha,alpha-trehalose-phosphate synthase (GDP-forming). (AN: GDP-glucose-glucosephosphate glucosyltransferase. Trehalose phosphate synthase (GDP-forming).)
5.4.99.15	<pre>(1,4)-alpha-D-glucan 1-alpha-D-glucosylmutase. (AN: Malto-oligosyltrehalose synthase.</pre>
5.4.99.16	Maltose alpha-D-glucosyltransferase. (AN: Trehalose synthase. Maltose glucosylmutase.)

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